



# Neural Network Time Series Forecasting of Finite-Element Mesh Adaptation

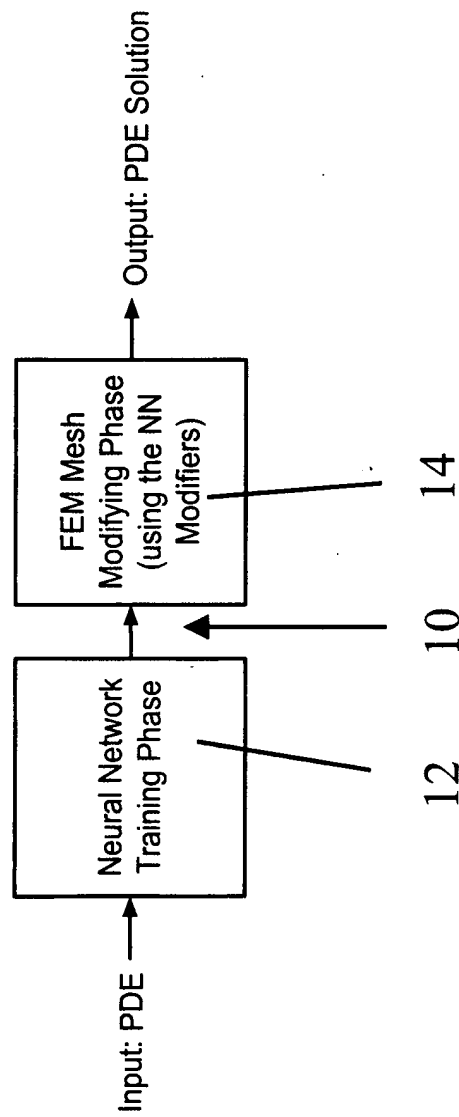


Fig. 1

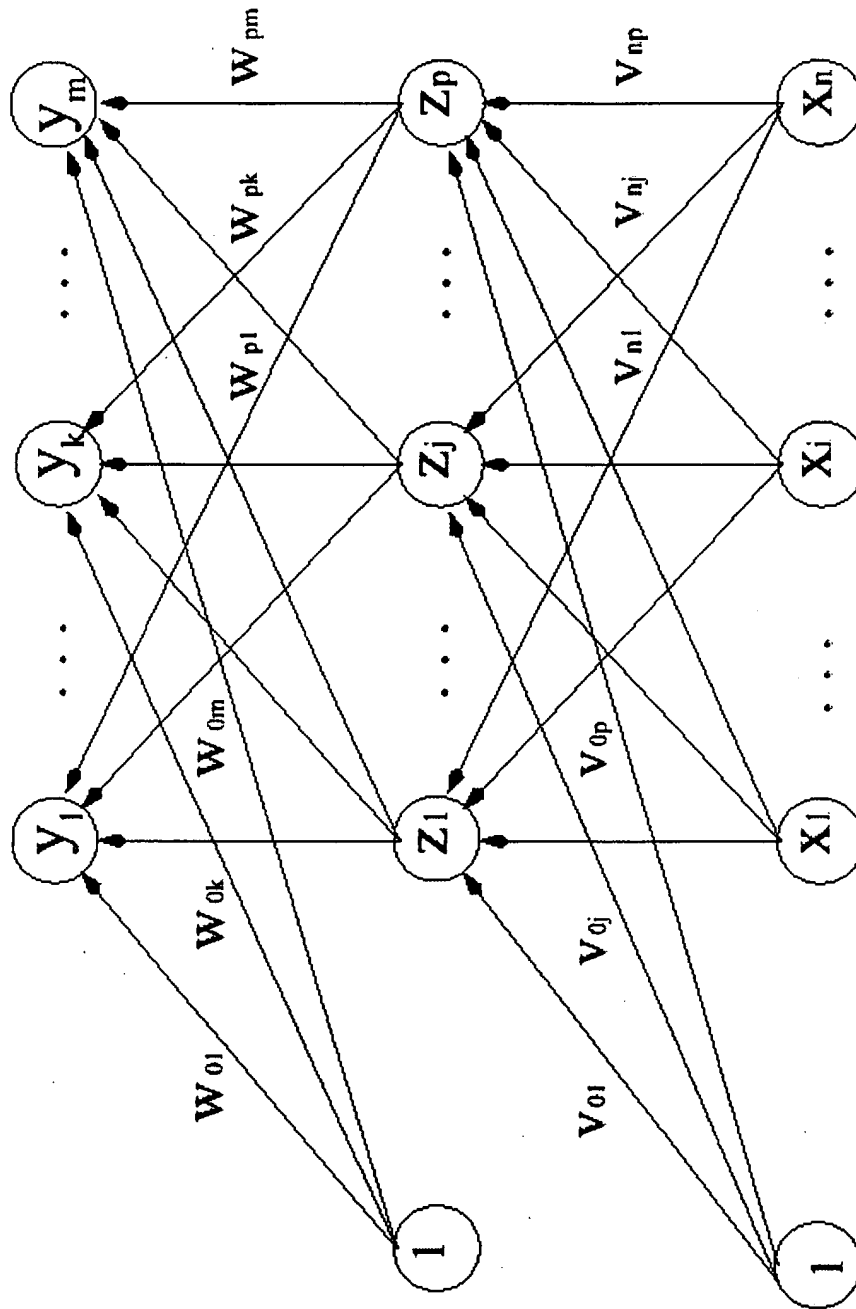


Fig. 2

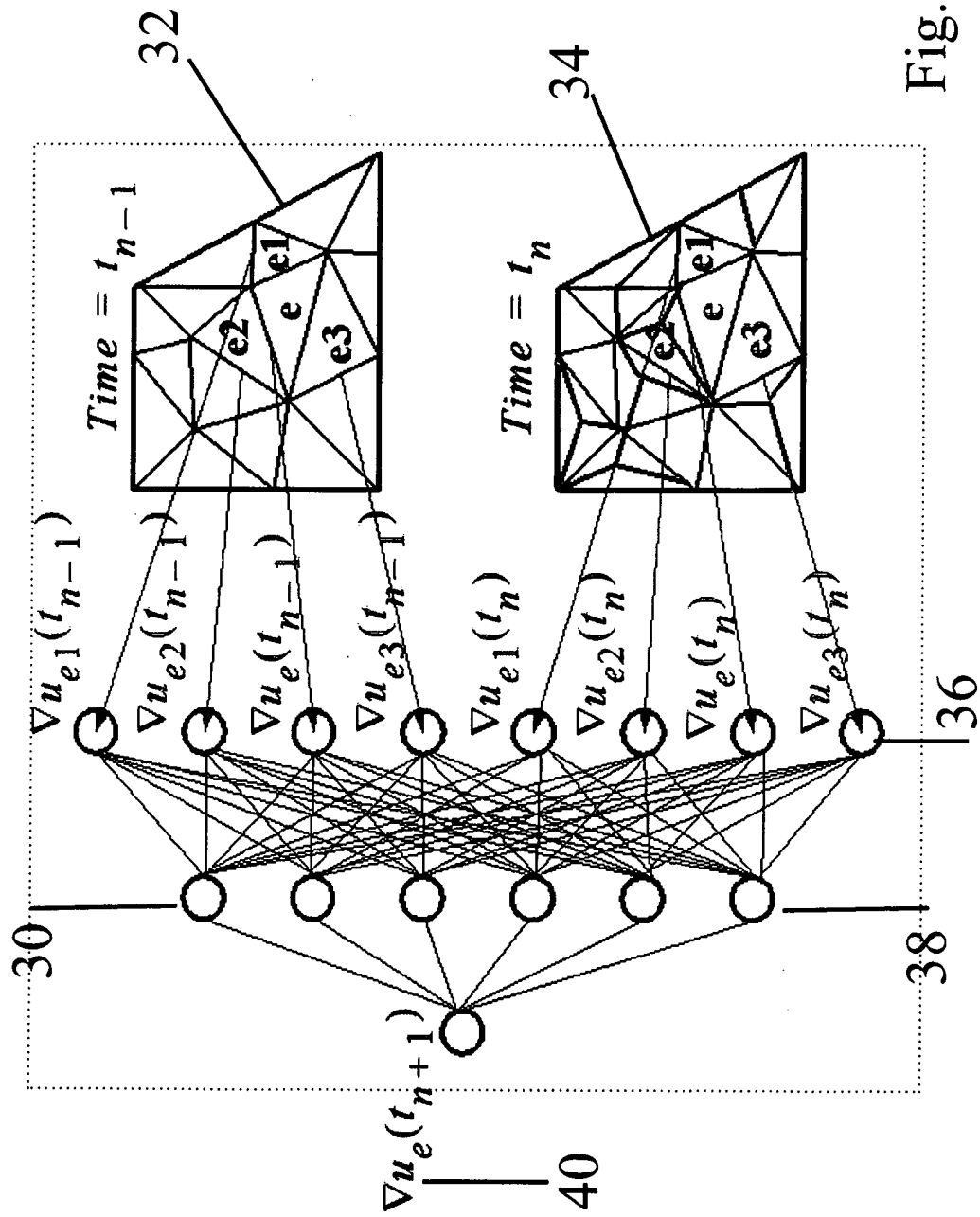


Fig. 3

## Neural Network Training Phase

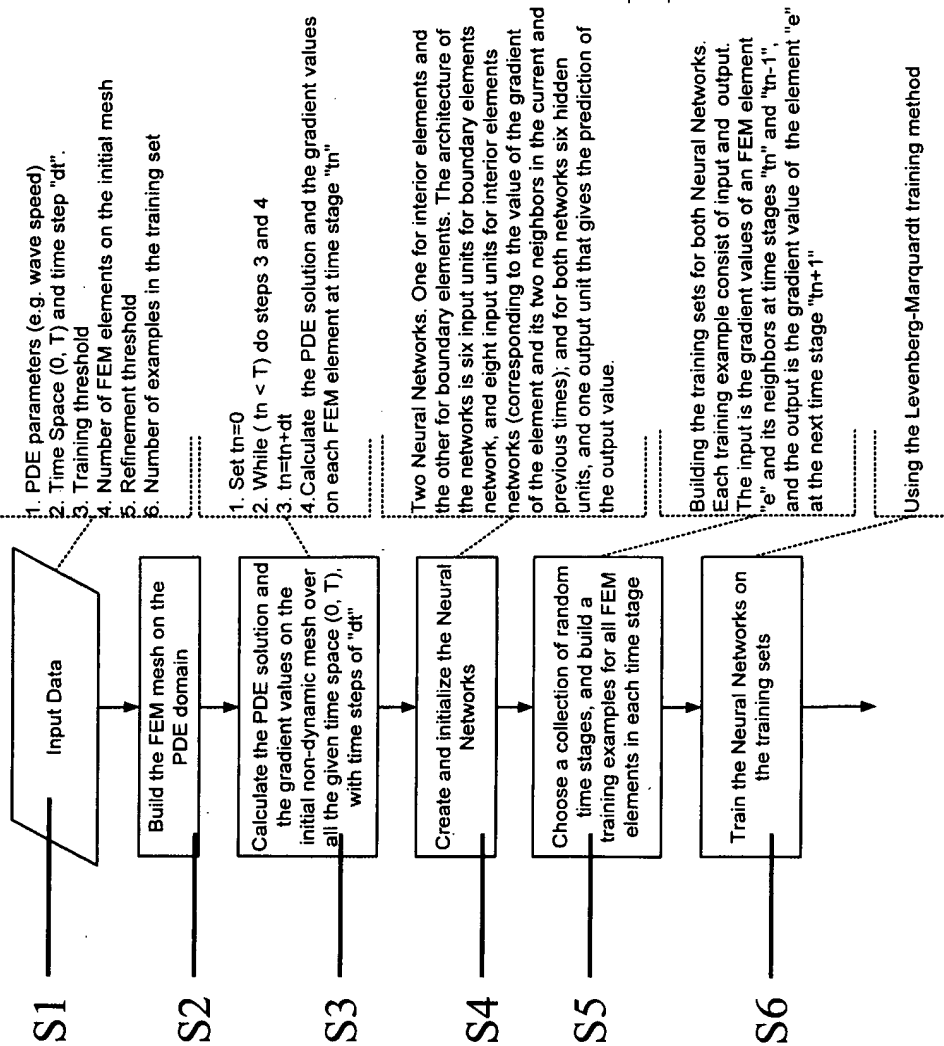


Fig. 4A

# FEM Mesh Adaptation Phase

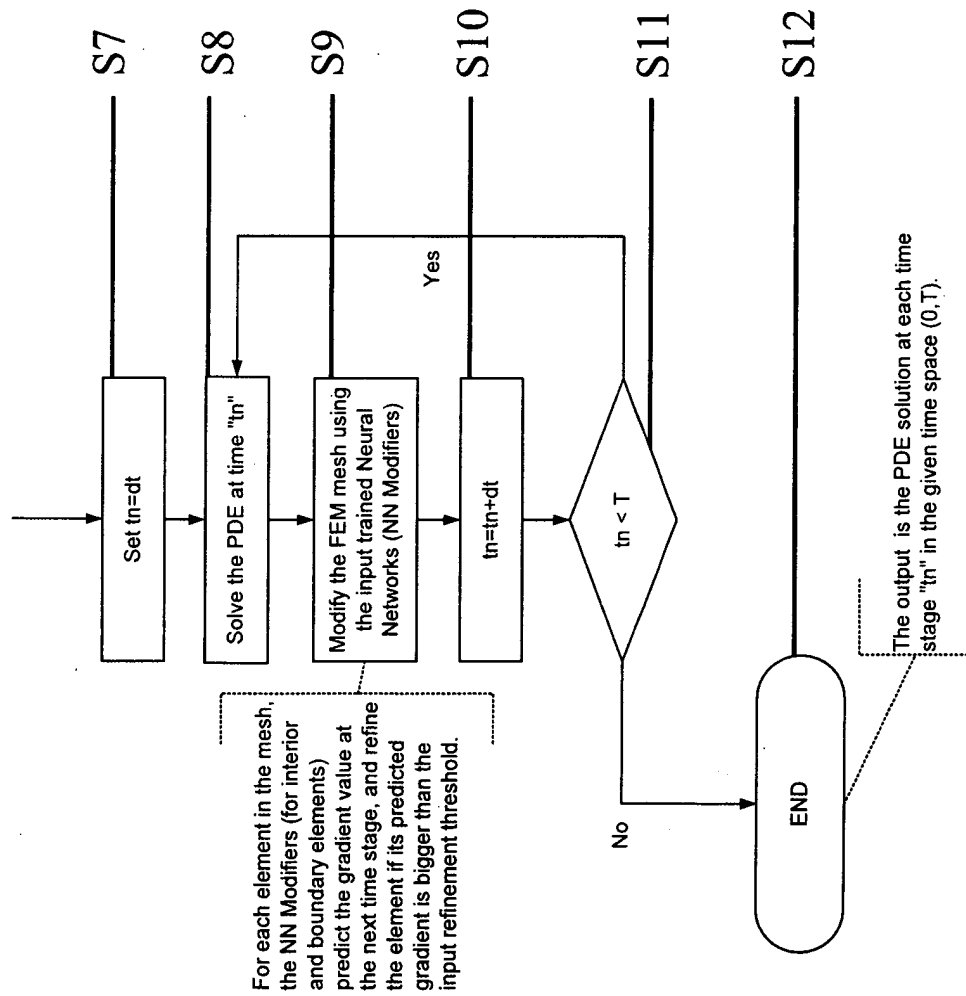


Fig. 4B

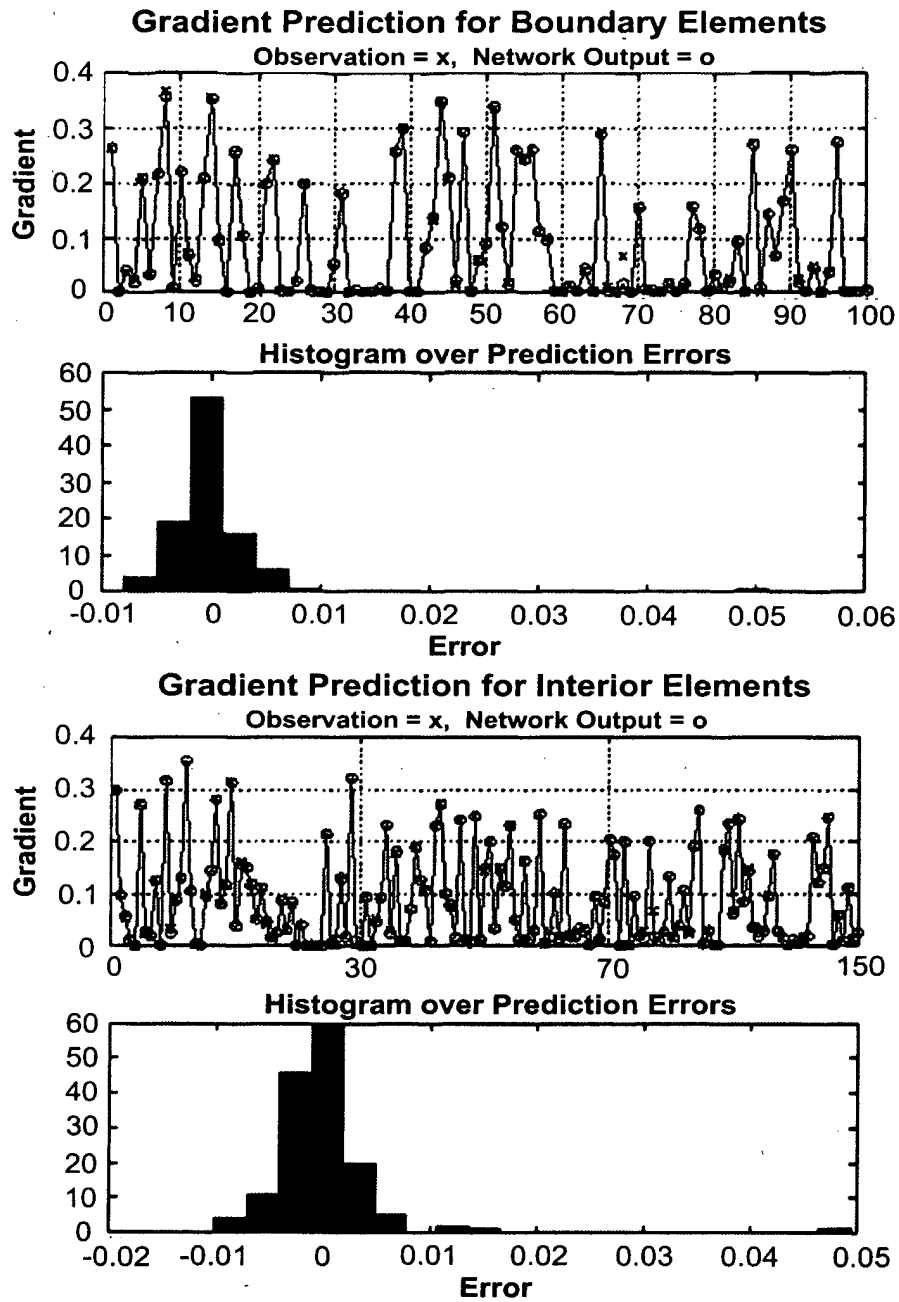


Fig. 5

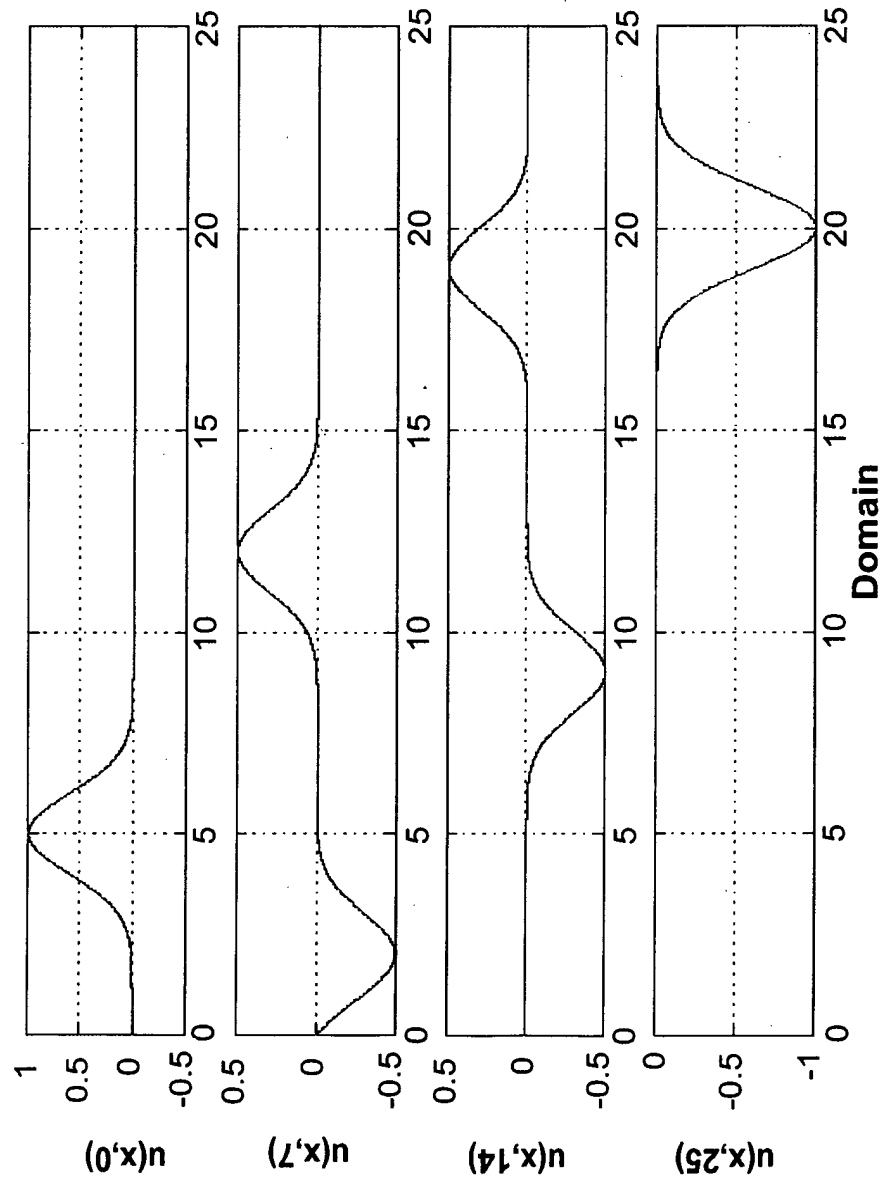


Fig. 6

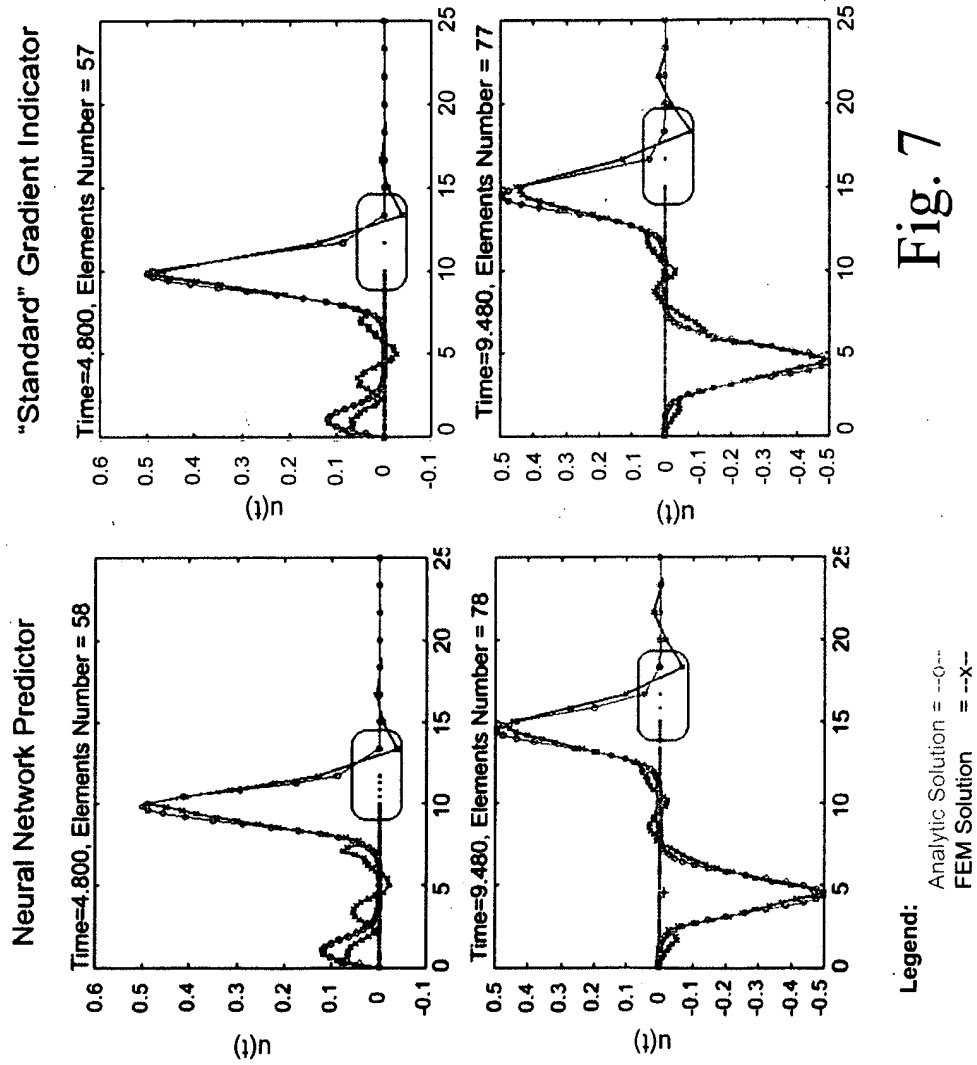
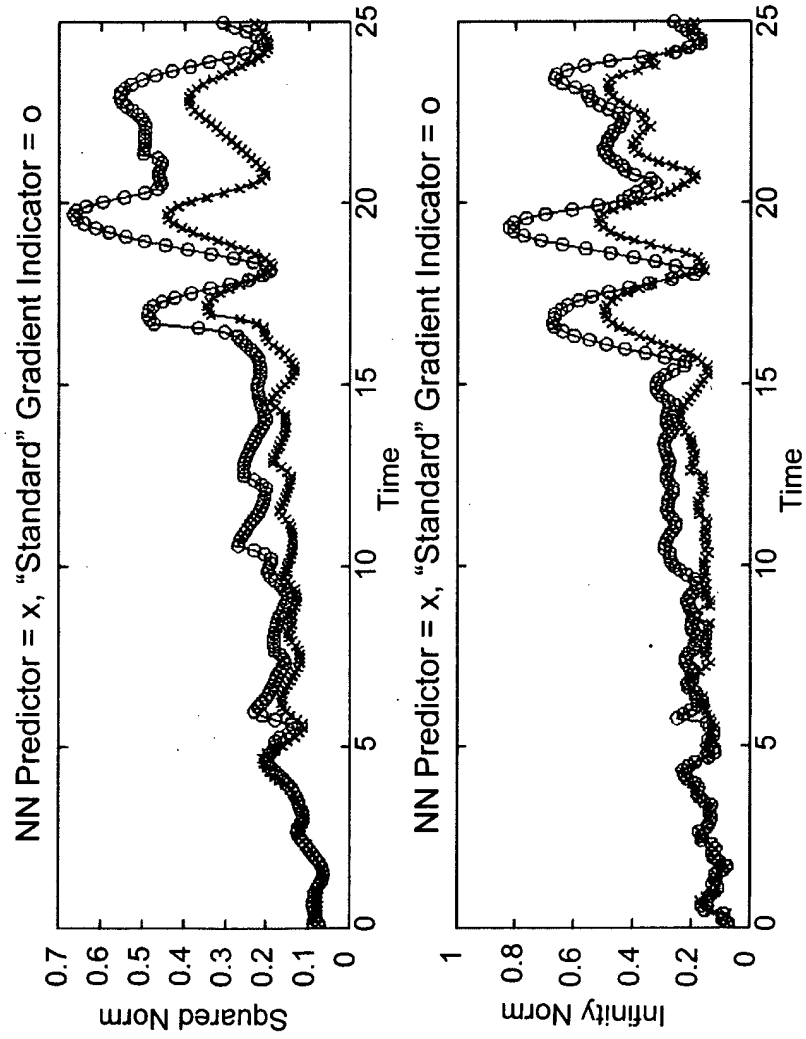


Fig. 7





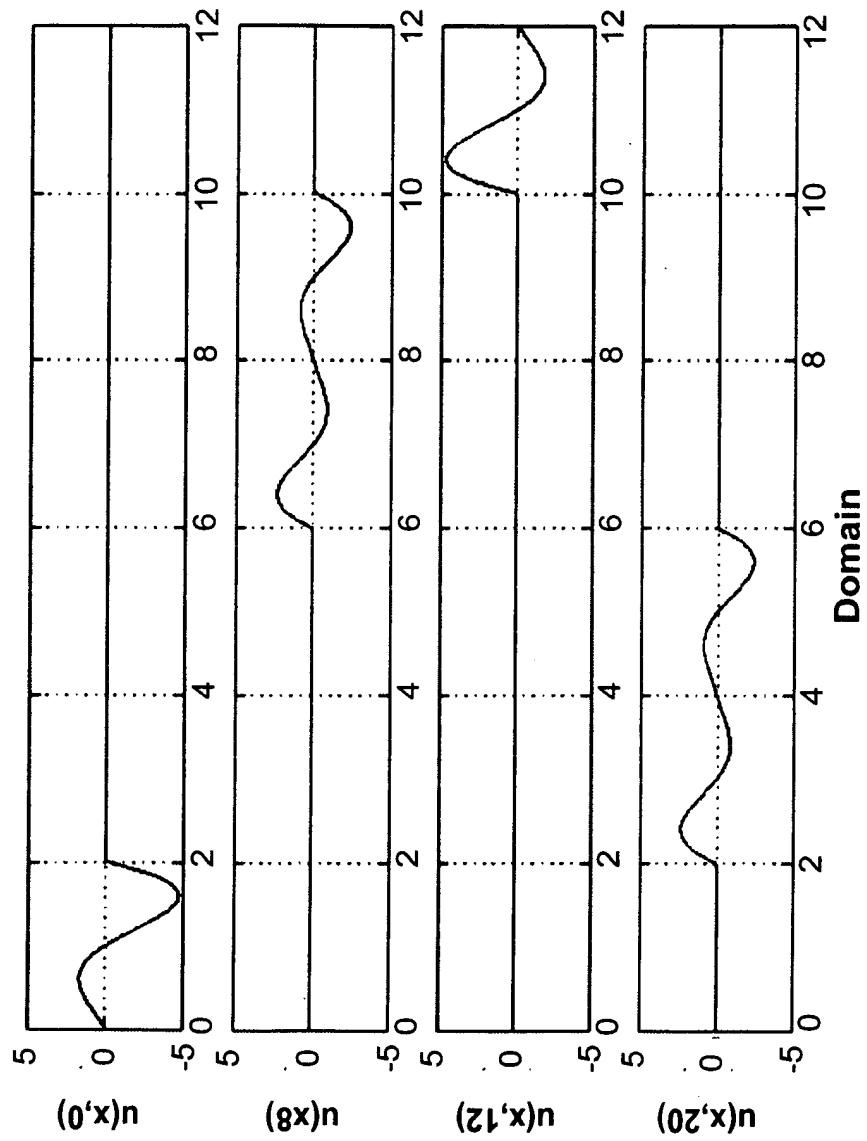


Fig. 9

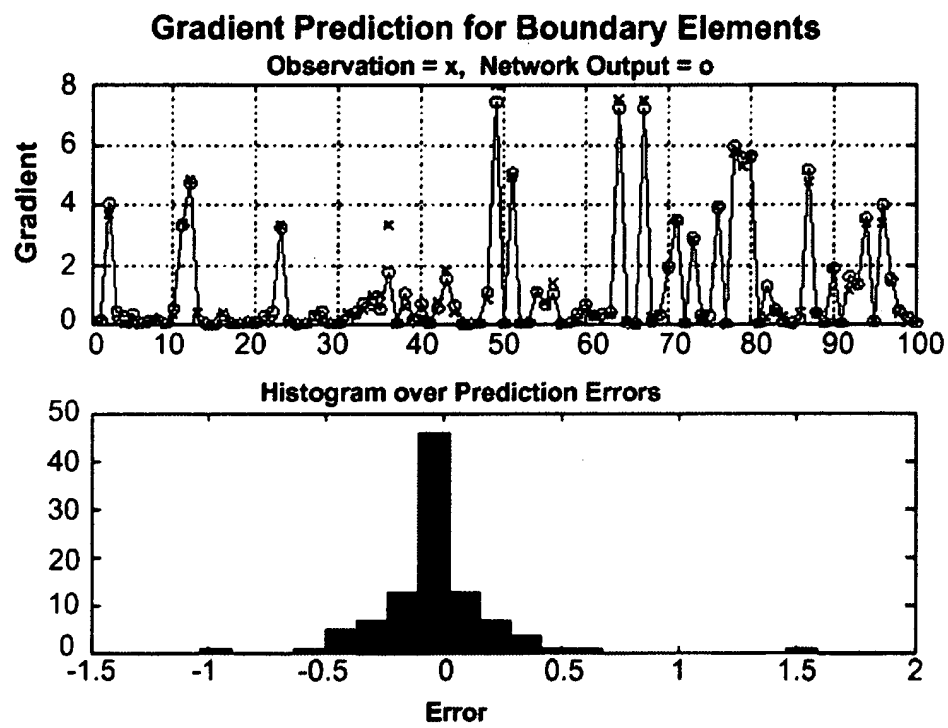


Fig. 10A

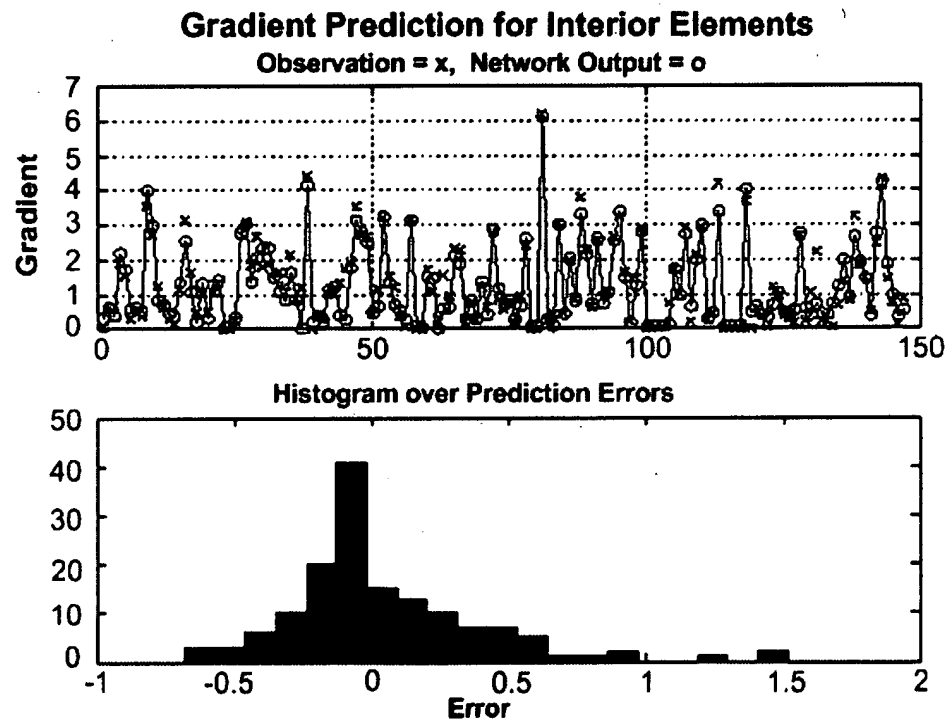


Fig. 10B

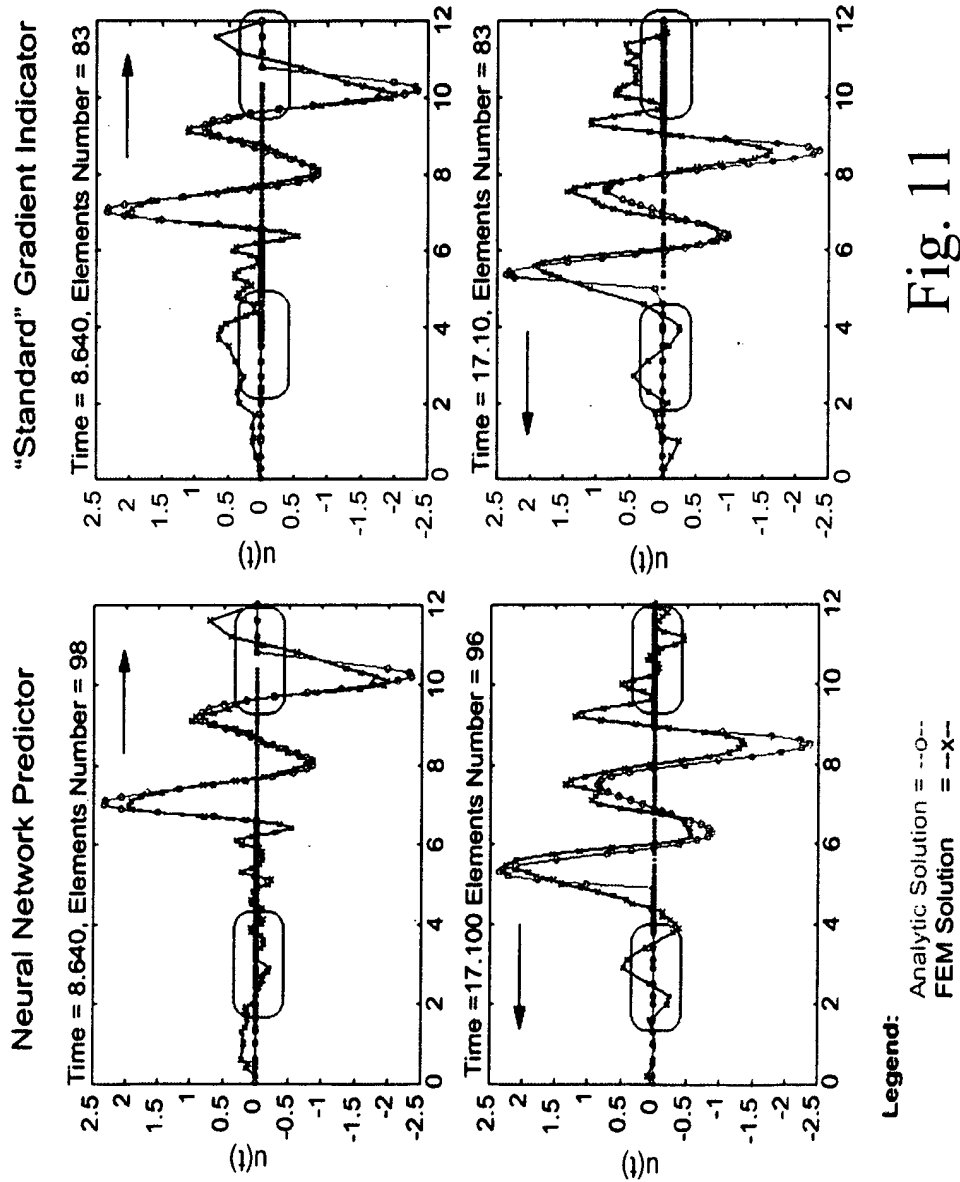
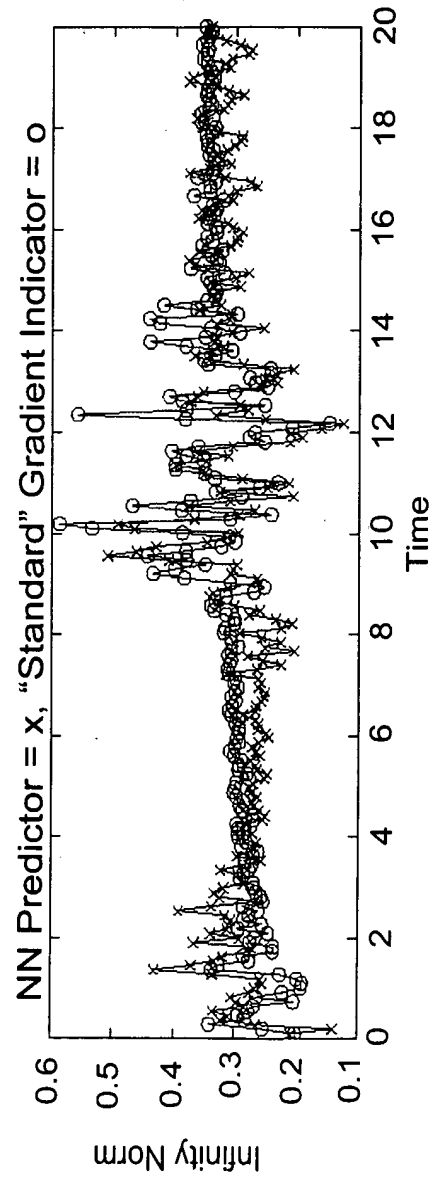
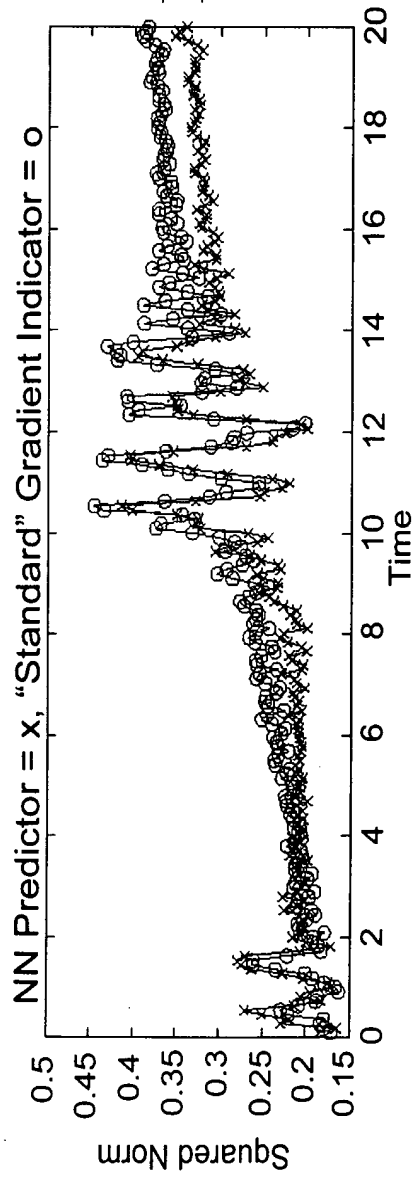
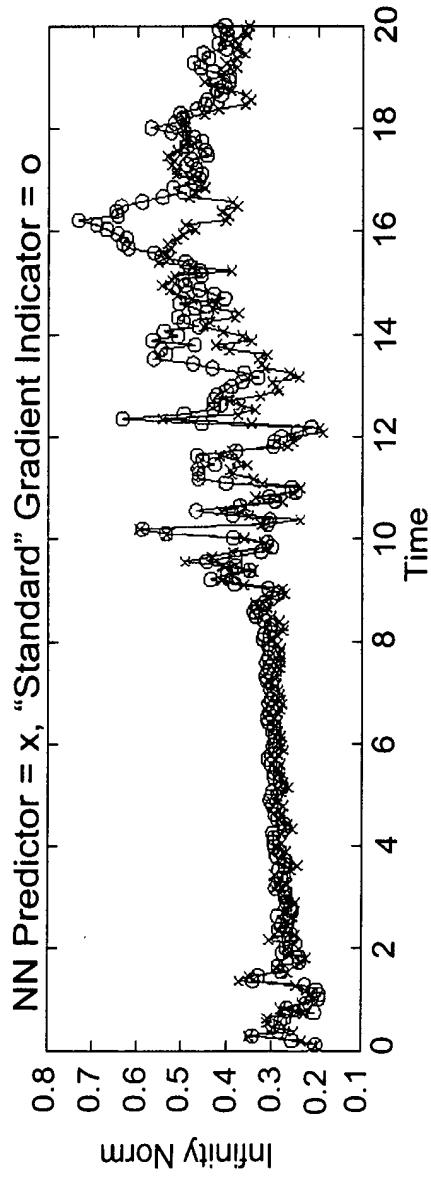
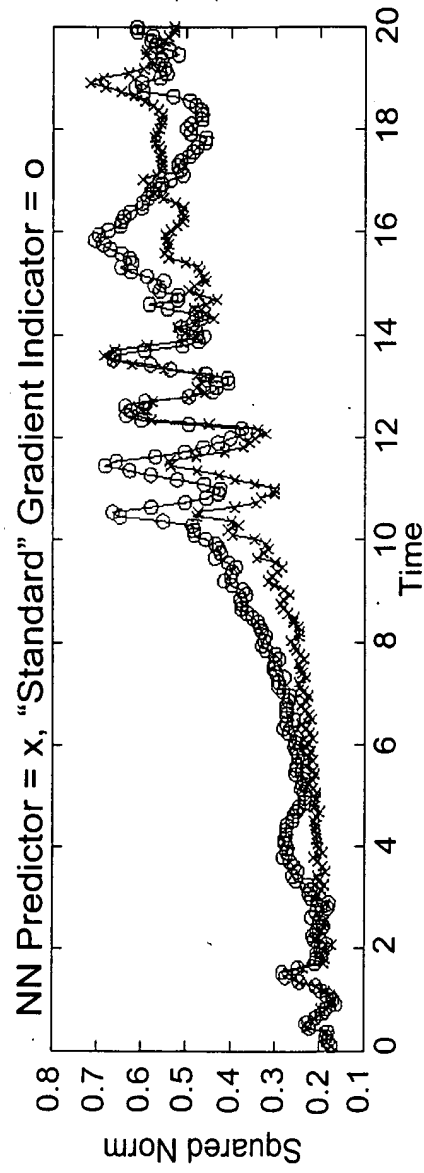


Fig. 11





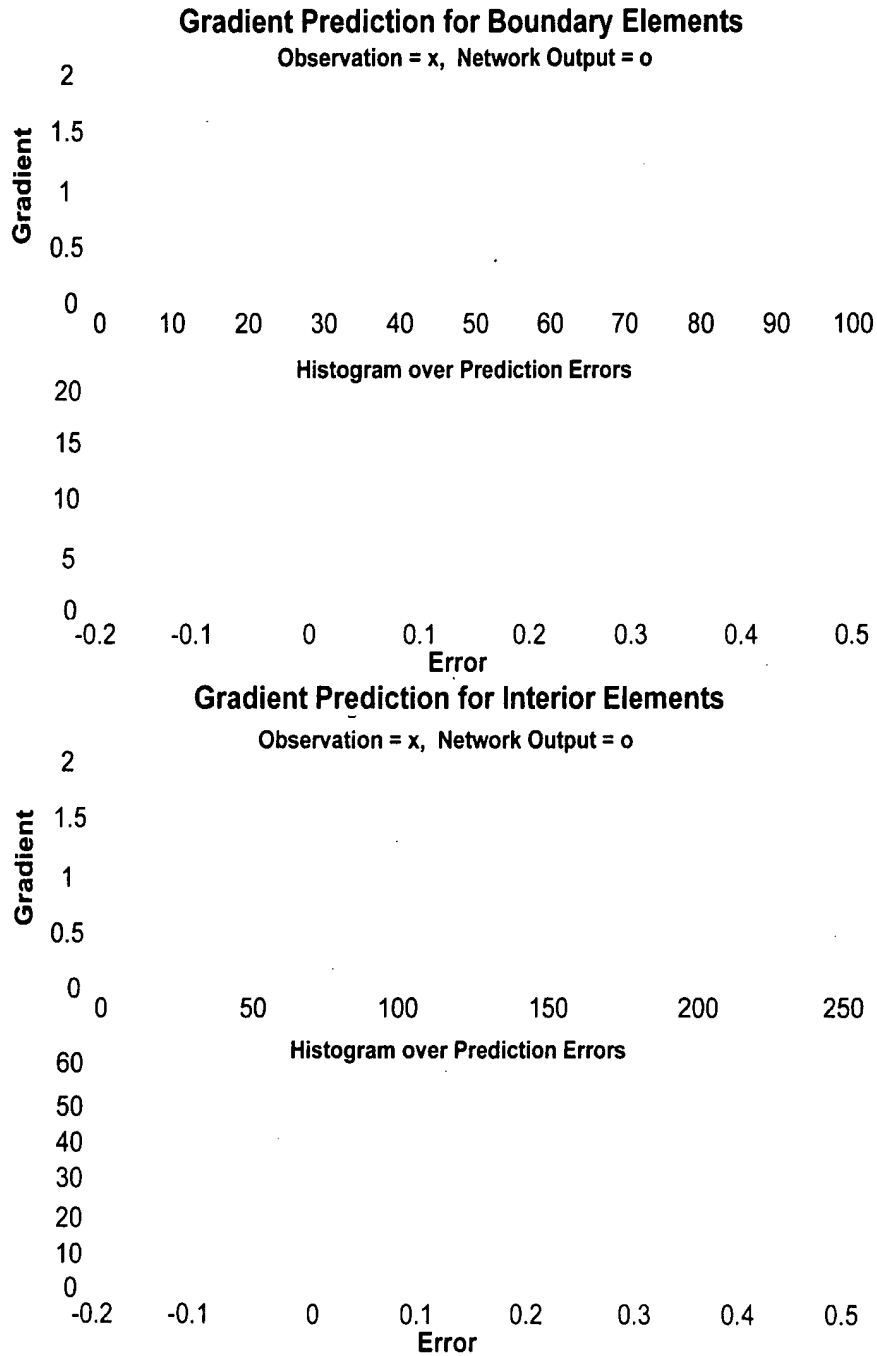
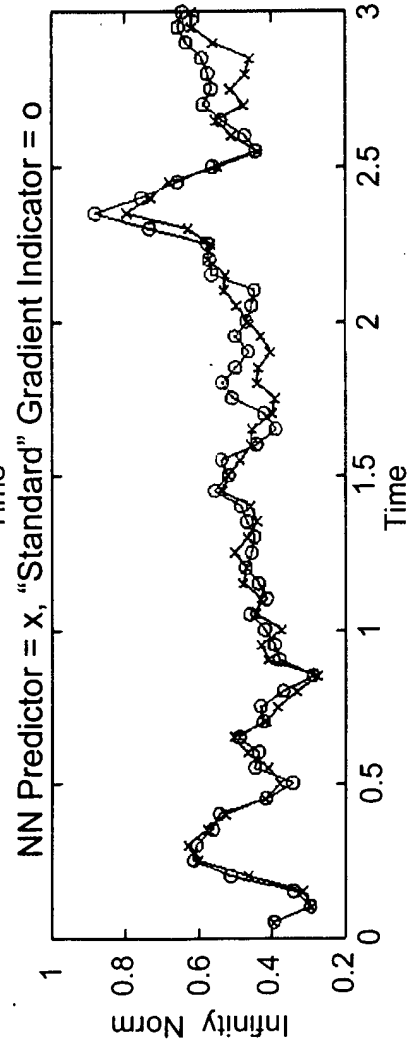
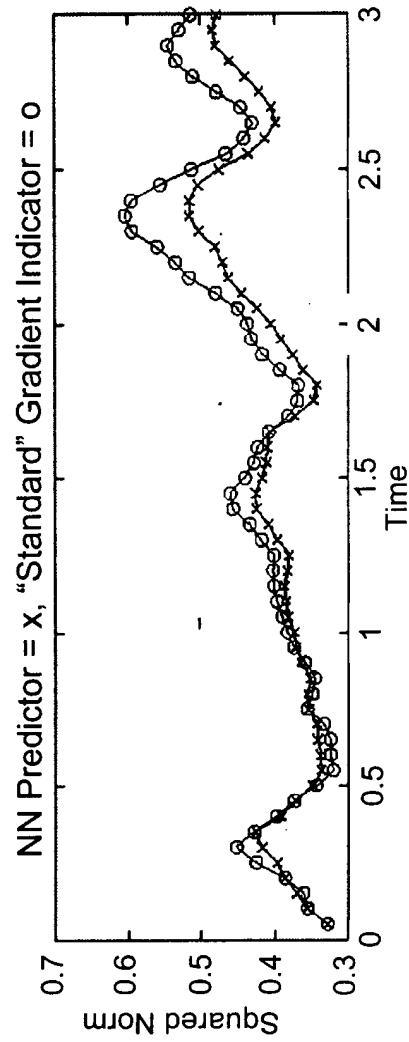


Fig. 14





Fig. 15



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